

# Ripper

## OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack Ripper is built to handle the road in style, whether the road is the hallway in your house or the sidewalk outside. Built to 1/14 scale, it can reach speeds of up to 660 feet per minute!

### THE FCC WANTS YOU TO KNOW

Your Ripper or transmitter might cause TV or radio interference even when it is operating properly. To determine whether your Ripper or transmitter is causing the interference, turn off your Ripper and release the control levers. If the interference goes away, your Ripper or transmitter is causing it.

Try to eliminate the interference by:

- Moving your Ripper and transmitter away from the TV or radio
- Contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using your Ripper.

*Indoors or outdoors, rule the road with your new Ripper!*

The Ripper comes with a built-in charging jack that lets you recharge rechargeable AA batteries while they are inside the battery compartment when connected to an appropriate battery charger. You can also remove rechargeable batteries from the Ripper and recharge them in an external battery charger (not supplied).

### Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the car and its transmitter for several days, remove the batteries. Batteries can leak chemicals that can damage electronic parts.
- Never leave dead or weak batteries in the Ripper.
- Dispose of batteries promptly and properly; do not bury or burn them.

### INSTALLING BATTERIES

We recommend you use rechargeable nickel-cadmium (Ni-Cd) or nickel-metal-hydride (Ni-MH) AA batteries (not supplied) to power the Ripper. They run cooler and cost less over time than non-rechargeable batteries.

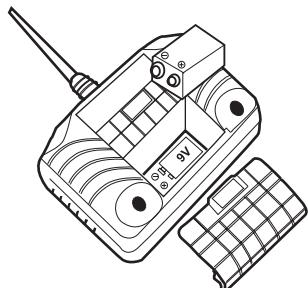
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## In the Transmitter

The transmitter uses one 9-volt battery (not supplied). For the best performance and longest life, we recommend a RadioShack alkaline battery.



1. Slide the battery compartment's cover in the direction of the arrow to remove it.
2. Put a battery in the compartment according to the polarity symbols (+ and -) marked inside.
3. Replace the cover and snap it shut.

When the transmitter's range decreases, replace its battery.

## In the Ripper

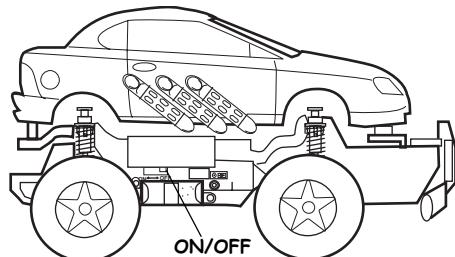
We recommend you use eight AA rechargeable batteries to power your Ripper.

### Notes:

- Be sure to fully charge rechargeable batteries before using them to power the car. See "Charging Rechargeable Batteries."
- You can also use eight AA alkaline batteries to power the car.

**Warning:** Alkaline batteries can get very hot. To protect yourself from injury, wait about 10 minutes after you stop using the car before removing the batteries.

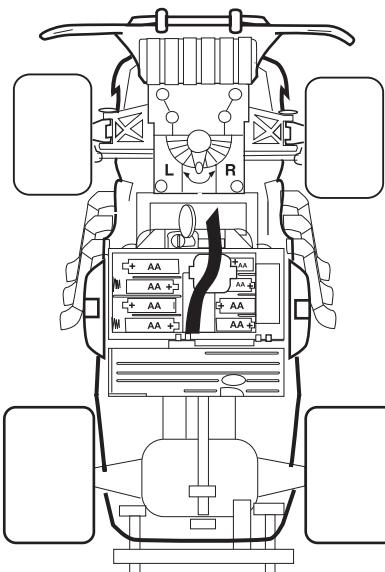
1. Slide ON/OFF to OFF.



2. Use a coin to turn the battery compartment's latch counterclockwise until it stops. Then lift it open.

**Caution:** The cover is attached to the car. Do not try to remove it.

3. Put eight AA batteries on top of the ribbon in the compartment according to the polarity symbols (+ and -) marked inside.



4. Close the cover, then turn the latch clockwise until it stops to secure it.

If the Ripper runs slowly or not at all, recharge the rechargeable batteries or replace the alkaline batteries.

**Note:** To easily remove the batteries, simply pull up the ribbon.

## Charging Rechargeable Batteries

You must charge rechargeable batteries before you can use them to power the Ripper. To charge them in the Ripper, you need a battery charger you can plug into the Ripper (not supplied).

**Warning:** Do not try to recharge alkaline or other non-chargeable batteries. They can rupture or explode.

**Caution:** The battery charger must supply 18 volts, its center tip must be set to positive, it must deliver at least 50 millamps, and its plug must correctly fit the Ripper's charging jack. The recommended charger (not supplied) meets these requirements. Using a charger that does not meet these requirements could damage the Ripper or the charger.

1. Slide ON/OFF to OFF.
2. Plug the charger's barrel plug into the Ripper's charging jack next to ON/OFF.
3. Plug the other end of the charger into a standard AC outlet.
4. Charge the batteries for 14-16 hours.

**Caution:** Charging batteries for longer than the recommended time can damage them.

5. First unplug the charger from the AC outlet. Then unplug it from the charging jack.

**Note:** Occasionally, fully discharge rechargeable batteries before you recharge them. Otherwise, the batteries lose their ability to fully charge.

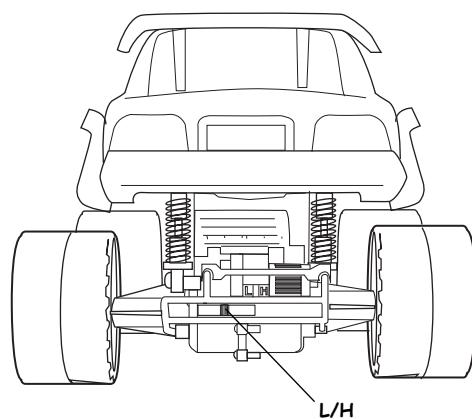
**Important:** The EPA certified RBRC® Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates RadioShack is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is part of the company's commitment to preserving our environment and conserving our natural resources.



## DRIVING THE RIPPER

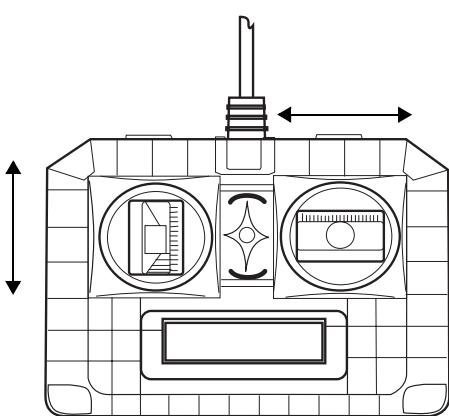
**Warning:** Never play with your Ripper in the street.

1. Slide ON/OFF to ON.
2. Slide L/H beneath the rear bumper to H for driving on a smooth surface or to L for a rough surface or climbing slopes.



**Note:** If you cannot easily slide the switch, slightly turn the Ripper's back wheels by hand. Then try again.

3. Use the transmitter's control levers to drive and steer the Ripper.



#### Left Control Lever

- Push up to move forward. Push up all the way for turbo power. Pull back to move backward. Release to stop.

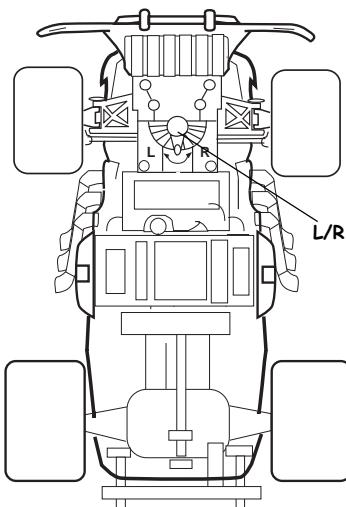
#### Right Control Lever

- Push left to move left. Push right to move right. Release to go straight.

4. When you finish driving the Ripper, slide ON/OFF to OFF.

## WHEEL ALIGNMENT

If the Ripper does not go in a straight line when you release the right control lever, adjust the front wheel alignment control on the bottom of the car.



With the car upside-down, turn the wheel alignment control toward the right (R) if the car is pulling to the left, or toward the left (L) if the car is pulling to the right.

## CARE

The following suggestions will help you care for your Ripper so you can enjoy it for years.

- Do not use the car on a wet floor, on sand, or in mud, rain, or snow. These can damage it.
- Do not expose the car to temperature extremes.
- Wipe the car with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals to clean it.

Modifying or tampering with the Ripper's or transmitter's components can cause a malfunction and might invalidate the warranty and void your FCC authorization to operate it. If the Ripper does not work properly, take it to your local RadioShack store for assistance.

## HELPFUL HINTS

The following hints can help you get the most enjoyment from your Ripper.

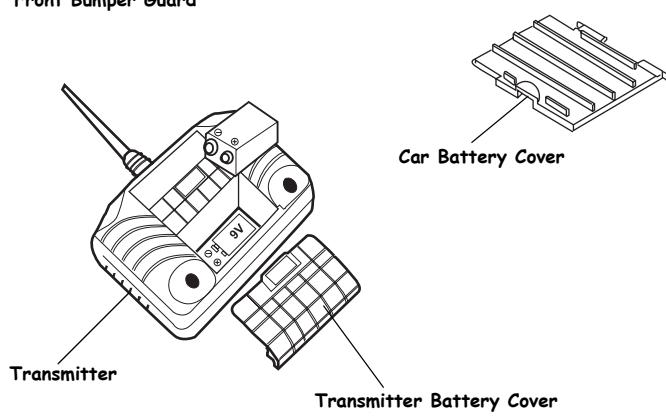
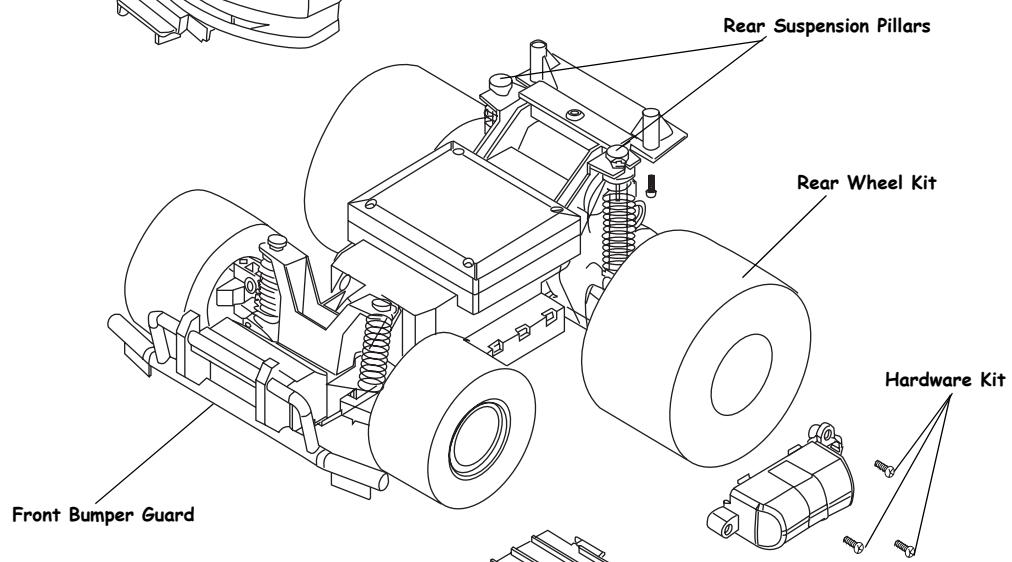
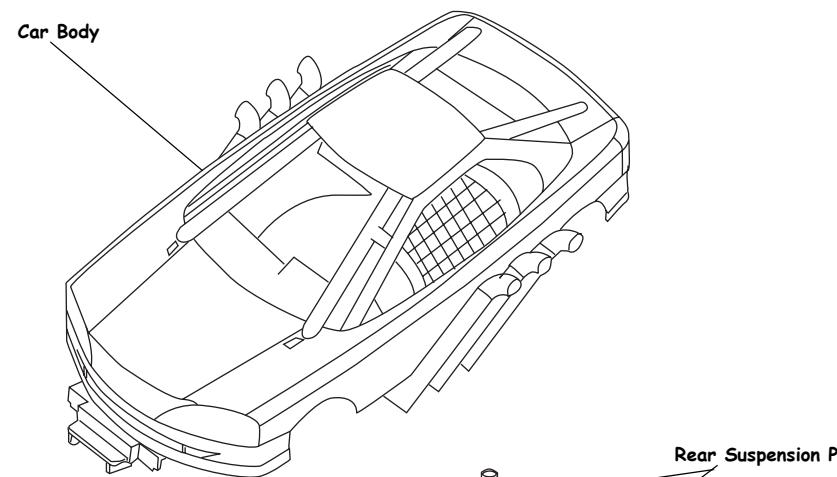
- Running your car continuously for long periods generates high heat levels. Heat causes the most wear and tear on the motor. To help keep heat levels down, when your car's battery power dies, let the car cool at least 10 minutes before installing new or newly charged batteries.
- If the car's motor runs but the Ripper does not respond to the transmitter, move closer to the Ripper and try again.
- If someone uses a CB nearby, it might interfere with control of the Ripper. If this happens, move the Ripper away from the CB.
- You cannot operate your Ripper near devices with transmitters that use the same frequency, 27 MHz or 49 MHz.

Check the Ripper's packaging to see which frequency your car uses.

- If the Ripper moves slowly, but the batteries are good (if you recently recharged or replaced them, for example), check the wheel mechanisms for lint, thread, hair or dust.

## USER-REPLACEABLE PARTS

You can order these easily replaceable parts for your car through your local RadioShack store. Simply identify the part(s) you need from the exploded view on Page 6, then find the part number in the parts list on Page 7.



## User-Replaceable Parts List

Description	RSU #
Transmitter:	
27 MHz	12257051
49 MHz	12257069
Receiver Antenna Wire (not pictured)	12255717
Car Battery Door	12042347
Transmitter Battery Door	10606440
Hardware Kit:	
Screw 3 x 16PT (Qty 2)	12256152
Rear Suspension Pillar	12256582
Front Bumper Guard	11914645
Rear Wheel Kit (L/R)	12257036
Car Body (with Labels)	12257044
Service Manual (not pictured)	12256442
Owner's Manual (not pictured)	12256343

### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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